

ENVIRONMENTAL IMPACT ASSESSMENT FOR TALL BUILDINGS: THE APPLICATION OF THE ANP FOR A NEW LANDMARK IN THE CITY OF TURIN (ITALY)

ABSTRACT

Keywords: urban regeneration, complex ANP, skyscraper.

1. Introduction

New urban landscapes are being shaped and a particularly interesting area of interdisciplinary research is the one concerning skyscrapers projects.

The research question for this study is “Which is the role of the ANP in the context of sustainability assessment of urban transformation processes?”

2. Literature Review

There is a growing interest in the development of integrated approaches for supporting public decision making processes (Bottero et al., 2014).

3. Hypotheses/Objectives

The study aims to investigate how the ANP can shape the decision process and support in the identification of the opportunities and the risks that a territorial transformation such as the construction of a skyscraper can create.

4. Research Design/Methodology

This paper describes the development of a real decision-making process related to the construction of a new skyscraper in the city of Torino (Italy).

The work makes use of a focus group of experts for structuring the problem and eliciting preference information.

5. Data/Model Analysis

This paper proposes and tests the development of a BOCR -ANP analysis for a complex territorial transformation involving the construction of a new skyscraper in the city of Torino (Italy).

6. Limitations

A limitation of the study is the high number of questions that the experts involved in the focus group had to answer. To reduce the cognitive burden on the experts we selected a subset of key questions from which to derive the remaining answers.

7. Conclusions

The results of the study highlight the relationship between the strategic assessment procedure and the participatory planning process that has been carried out.

8. Key References

Bottero M., Ferretti V., Mondini G., Pomarico S. 2014. Enabling public participation in Strategic Environmental Assessment: an application of Multicriteria Analysis, *Strategic Behavior and the Environment*, Vol. 4, pp. 99-130.